## PATENT ABSTRACTS OF JAPAN

(11)Publication number:

2001-234187

(43) Date of publication of application: 28.08.2001

(51)Int.CI.

C10M169/04 C10M129/10 C10M129/54 C10M129/72 C10M129/76 C10M129/95 C10M133/16 C10M133/28 C10M133/54 C10M133/56 C10M135/10 C10M135/30 // C10N 10:02 C10N 10:04 C10N 20:00 C10N 30:00 C10N 30:10 C10N 40:02

(21)Application number: 2000-353931

(22)Date of filing:

21.11.2000

(71)Applicant: NIPPON STEEL CHEM CO LTD

(72)Inventor: DAIJO YOSHIHIKO

**NAGANO KATSUMI** 

(30)Priority

Priority number: 11352770

Priority date: 13.12.1999

Priority country: JP

## (54) LUBRICATING OIL COMPOSITION

## (57)Abstract:

PROBLEM TO BE SOLVED: To improve electroconductivity of a lubricating oil composition while maintaining characteristics thereof, an oxidative deterioration lifer, and the like, and to improve shaft deflection performances of a dynamic pressure bearing by decreasing the clearance between a shaft and a bearing.

SOLUTION: This lubricating oil composition comprises a base oil and, incorporated therein, an electroconductivity-imparting agent bearing in its molecule a polar group and a lipophilic group, getting charged in a non-aqueous solution and capable of imparting electroconductivity to the base oil, has a specific volume resistance of  $1 \times 1010~\Omega$ .cm or less and is free from metal or metal oxide particles. As the electroconductivity-imparting agent, employed is a combination of 0.1-3.0~wt.% of an organometallic compound, a succinic acid derivative or an amine derivative, which bears in its molecule a strong polar group and a lipophilic group of an appropriate size, and 0.01-0.1~wt.% of an aromatic azo compound.

## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application

converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of

rejection]

[Date of requesting appeal against examiner's

decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office